

For Research Use Only

BRD3 Polyclonal antibody

Catalog Number: 11859-1-AP

Featured Product

28 Publications



Basic Information

Catalog Number:

11859-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2433

GenBank Accession Number:

BC032124

GeneID (NCBI):

8019

UNIPROT ID:

Q15059

Full Name:

bromodomain containing 3

Calculated MW:

556 aa, 61 kDa

Observed MW:

95-105 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: HEK-293T cells, HeLa cells, COLO 320 cells, HepG2 cells, Jurkat cells, K-562 cells, MCF-7 cells

IP: HeLa cells,

IHC: human prostate cancer tissue, human gliomas tissue

IF/ICC: HeLa cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

BRD3 belongs to the BET family that a small group of unique, highly conserved bromodomain-containing genes with four members in mouse and human. There are BRD2, BRD3, BRD4 and BRDT. And BET family proteins all localize in the nucleus, and contain two tandem N-terminal BRDs, an extra-terminal (ET) domain and a more divergent C-terminal recruitment domain (PMID:25849938). BRD2, BRD3, and BRD4 play key roles in transcription of genes required for both inflammation and cancer. Northern hybridization revealed that BRD3 is most abundant in testis, ovary, placenta, uterus, and brain (PMID:15261828; PMID:27451123). The antibody could recognize the common about 100 kDa protein in applications as the papers (PMID:29437854; 22595521).

Notable Publications

Author	Pubmed ID	Journal	Application
Xinmei Liao	34733788	Front Oncol	WB
Liya Ma	36224471	Cancer Chemother Pharmacol	WB
Xing Bian	33134168	Front Oncol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

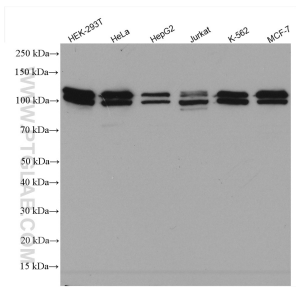
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

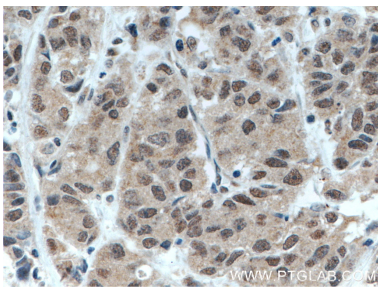
E: proteintech@ptglab.com
W: ptglab.com

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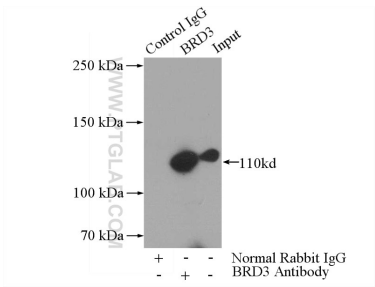
Selected Validation Data



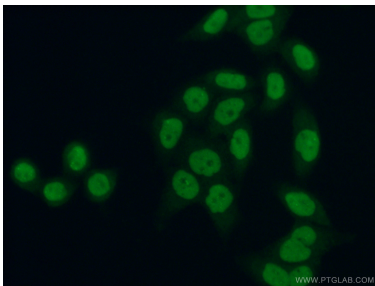
Various lysates were subjected to SDS PAGE followed by western blot with 11859-1-AP (BRD3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11859-1-AP (BRD3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-BRD3 (IP:11859-1-AP, 4ug; Detection:11859-1-AP 1:500) with HeLa cells lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 11859-1-AP (BRD3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).